

Title (en)

METHOD OF PRODUCING A FIBROUS LAYER FOR THE MANUFACTURE OF A PREFORM OF A COMPOSITE PART

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER FASERSCHICHT FÜR DIE HERSTELLUNG EINES VORFORMLINGS EINES VERBUNDETEILS

Title (fr)

PROCEDE DE REALISATION DE STRATE FIBREUSE POUR LA FABRICATION D'UNE PREFORME DE PIECE COMPOSITE

Publication

EP 2010363 B1 20100609 (FR)

Application

EP 07731940 A 20070425

Priority

- FR 2007051167 W 20070425
- FR 0651474 A 20060426

Abstract (en)

[origin: WO2007125249A1] The invention relates to a method of producing a fibrous layer intended to form a preform of an axisymmetric composite part having a non-developable surface, characterized in that it comprises the steps consisting in: defining an annular space (23) with a first and second fabric (20, 21) respectively delimiting an internal periphery and an external periphery; arranging fibres between the fabrics (20, 21) by placing the fibres in the annular space in at least one direction and by holding said fibres on the fabrics by stitching; performing circular connection stitching in the vicinity of the internal periphery of the annular space (23); and cutting the fibrous layer thus formed in the annular space (23) in order to extract it from the fabrics.

IPC 8 full level

B29B 11/16 (2006.01); **B29C 70/24** (2006.01); **B29C 70/30** (2006.01); **B29C 70/34** (2006.01); **B29C 70/48** (2006.01); **B29C 70/54** (2006.01); **D04H 3/07** (2012.01); **D04H 3/10** (2012.01); **D04H 3/115** (2012.01); **F02K 9/84** (2006.01)

CPC (source: EP US)

B29B 11/16 (2013.01 - EP); **B29C 70/24** (2013.01 - EP US); **B29C 70/30** (2013.01 - EP US); **B29C 70/34** (2013.01 - EP US); **B29C 70/543** (2013.01 - EP US); **B29C 70/545** (2013.01 - EP US); **F02K 9/97** (2013.01 - EP US); **F05D 2300/2102** (2013.01 - EP US); **F05D 2300/224** (2013.01 - EP US); **F05D 2300/614** (2013.01 - EP US); **Y10T 428/24124** (2015.01 - EP US)

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

FR 2900420 A1 20071102; **FR 2900420 B1 20080725**; DE 602007007072 D1 20100722; EP 2010363 A1 20090107; EP 2010363 B1 20100609; JP 2009534236 A 20090924; JP 5155301 B2 20130306; RU 2008141871 A 20100610; RU 2425748 C2 20110810; UA 92638 C2 20101125; US 2009098331 A1 20090416; US 8034273 B2 20111011; WO 2007125249 A1 20071108

DOCDB simple family (application)

FR 0651474 A 20060426; DE 602007007072 T 20070425; EP 07731940 A 20070425; FR 2007051167 W 20070425; JP 2009507130 A 20070425; RU 2008141871 A 20070425; UA A200812516 A 20070425; US 29824907 A 20070425